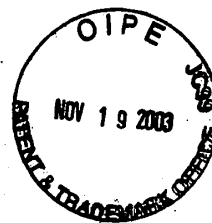


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<110> Sano, Hiroshi
Kusano, Tomonobu
Koizumi, Nozomu

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Gene Encoding Said Polypeptide

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<140> US 09/971,020

<141> 2001-10-05

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Asn Ile Asn Lys Cys Ile Lys Val Ala Asp Leu Gly Cys Ala Ser Gly
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Val Gly Gln Glu Glu Lys Asn Glu Leu Glu Arg Pro Thr Ile Gln Ile
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Phe Leu Asn Asp Leu Phe Gln Asn Asp Phe Asn Ser Val Phe Lys Leu
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Leu Pro Ser Phe Tyr Arg Lys Leu Glu Lys Glu Asn Gly Arg Lys Ile
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Gln Lys Ala Tyr Leu Asp Gln Phe Thr Lys Asp Phe Thr Thr Phe Leu
          195          200          205
Arg Ile His Ser Lys Glu Leu Phe Ser Arg Gly Arg Met Leu Leu Thr
          210          215          220
Cys Ile Cys Lys Val Asp Glu Phe Asp Glu Pro Asn Pro Leu Asp Leu
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RECEIVED

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TECH CENTER 1600/2900

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Lys Pro Val Leu Glu Gln Cys Val Arg Glu Leu Leu Arg Ala Asn Leu

35	40	45
Pro Asn Ile Asn Lys Cys Ile Lys Val Ala Asp Leu Gly Cys Ala Ser		
50	55	60
Gly Pro Asn Thr Leu Leu Thr Val Trp Asp Thr Val Gln Ser Ile Asp		
65	70	75
Lys Val Lys Gln Glu Met Lys Asn Glu Leu Glu Arg Pro Thr Ile Gln		
85	90	95
Val Phe Leu Thr Asp Leu Phe Gln Asn Asp Phe Asn Ser Val Phe Met		
100	105	110
Leu Leu Pro Ser Phe Tyr Arg Lys Leu Glu Lys Glu Asn Gly Arg Lys		
115	120	125
Ile Gly Ser Cys Leu Ile Ala Ala Met Pro Gly Ser Phe His Gly Arg		
130	135	140
Leu Phe Pro Glu Glu Ser Met His Phe Leu His Ser Ser Tyr Ser Leu		
145	150	155
Gln Phe Leu Ser Gln Val Pro Ser Gly Leu Val Thr Glu Leu Gly Ile		
165	170	175
Thr Ala Asn Lys Arg Ser Ile Tyr Ser Ser Lys Ala Ser Pro Pro Pro		
180	185	190
Val Gln Lys Ala Tyr Leu Asp Gln Phe Thr Lys Asp Phe Thr Thr Phe		
195	200	205
Leu Arg Met Arg Ser Glu Glu Leu Leu Ser Arg Gly Arg Met Leu Leu		
210	215	220
Thr Cys Ile Cys Lys Gly Asp Glu Cys Asp Gly Pro Asn Thr Met Asp		
225	230	235
Leu Leu Glu Met Ala Ile Asn Asp Leu Val Ala Glu Gly Arg Leu Gly		
245	250	255
Glu Glu Lys Leu Asp Ser Phe Asn Val Pro Ile Tyr Thr Ala Ser Val		
260	265	270
Glu Glu Val Lys Cys Met Val Glu Glu Glu Gly Ser Phe Glu Ile Leu		
275	280	285
Tyr Leu Gln Thr Phe Lys Leu Arg Tyr Asp Ala Gly Phe Ser Ile Asp		
290	295	300
Asp Asp Cys Gln Val Arg Ser His Ser Pro Val Tyr Ser Asp Glu His		
305	310	315
Ala Arg Ala Ala His Val Ala Ser Leu Ile Arg Ser Val Tyr Glu Pro		
325	330	335
Ile Leu Ala Ser His Phe Gly Glu Ala Ile Ile Pro Asp Ile Phe His		
340	345	350
Arg Phe Ala Thr Asn Ala Ala Lys Val Ile Arg Leu Gly Lys Gly Phe		
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agttgcagat ttgggatgcg cttccggacc aaacacactt ttaaccgttt gggacactgt 240
acaaagtatt gacaaagtta agcaagaaat gaagaatgaa ttagaacgtc ccaccattca 300
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ttcttacagt cttcagtttt tatcccaggt tcccagcggg ttggtgactg aattggggat 540
cactgcgaac aaaaggagca tttactcttc caaagcaagt cctccgcccg tccagaaggc 600
atatttgat caatttacga aagattttac cacattttta aggatgcgtt cggaagagtt 660
gctttcacgt ggccgaatgc tccttacttg catttgtaaa ggagatgaat gcgacggccc 720
gaataccatg gacttacttg agatggcaat aaacgacttg gttgctgagg gacgtctggg 780
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<213> *Coffea arabica*

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35 40 45
Pro Asn Ile Asn Lys Cys Ile Lys Val Ala Asp Leu Gly Cys Ala Ser
50 55 60
Gly Pro Asn Thr Leu Leu Thr Val Arg Asp Ile Val Gln Ser Ile Asp
65 70 75 80
Asp Val Arg Gln Glu Met Lys Asn Glu Leu Glu Arg Pro Thr Ile Gln
85 90 95
Val Phe Leu Thr Asp Leu Phe Gln Asn Asp Phe Asn Ser Val Phe Met
100 105 110
Leu Leu Pro Ser Phe Tyr Arg Lys Leu Glu Lys Glu Asn Gly Arg Lys
115 120 125
Ile Gly Ser Cys Leu Ile Ala Ala Met Pro Gly Ser Phe His Gly Arg
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Leu Phe Pro Glu Glu Ser Met His Phe Leu His Ser Ser Tyr Ser Leu
145 150 155 160
Gln Phe Leu Ser Gln Val Pro Ser Gly Leu Val Thr Glu Leu Gly Ile
165 170 175
Thr Ala Asn Lys Arg Ser Ile Tyr Ser Ser Lys Ala Ser Pro Pro Pro
180 185 190
Val Gln Lys Ala Tyr Leu Asp Gln Phe Thr Lys Asp Phe Thr Thr Phe
195 200 205
Leu Arg Ile Arg Ser Glu Glu Leu Leu Ser Arg Gly Arg Met Leu Leu
210 215 220
Thr Cys Ile Cys Lys Gly Asp Glu Phe Asp Gly Pro Asn Thr Met Asp
225 230 235 240
Leu Leu Glu Met Ala Ile Asn Asp Leu Val Val Glu Gly His Leu Glu
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Glu Glu Lys Leu Asp Ser Phe Asn Val Pro Ile Tyr Ala Ala Ser Val
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Ala Arg Ala Ala His Val Ala Ser Leu Leu Arg Ser Val Tyr Glu Pro
      325      330      335
Ile Leu Ala Asn His Phe Gly Glu Ala Ile Ile Pro Asp Ile Phe His
      340      345      350
Arg Phe Ala Thr Asn Ala Ala Lys Val Ile Arg Leu Gly Lys Gly Phe
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Tyr Asn Asn Leu Ile Ile Ser Leu Ala Lys Lys Pro Glu Lys Ser Asp
 370      375      380
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cacattttta aggattcgtt cggaagagtt gctttcacgc ggccgaatgc tccttacttg 720
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 <213> Coffea arabica

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Lys Pro Val Leu Glu Gln Cys Val Arg Glu Leu Leu Arg Ala Asn Leu
      35      40      45
Pro Asn Ile Asn Lys Cys Ile Lys Val Ala Asp Leu Gly Cys Ala Ser

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Ile	Phe	Leu	Asn	Asp	Leu	Phe	Pro	Asn	Asp	Phe	Asn	Ser	Val	Phe	Lys
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Tyr	Glu	Pro	Ile	Leu	Ala	Ser	His	Phe	Gly	Glu	Ala	Ile	Ile	Pro	Asp
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Lys	Gly	Phe	Tyr	Asn	Asn	Leu	Ile	Ile	Ser	Leu	Ala	Lys	Lys	Pro	Glu
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<221> misc feature
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